

Kunststoffe international

INJECTION MOLDING

What Can You Do
at Fall Fairtime, When There
Aren't Any?

page 23

SPECIAL

Hybrid Technology: Joining
Plastic and Metal and Printing

page 10

PEKK

Special Polymers Enable
Thermoforming of
Semi-Crystalline PEKK

page 44



Reifenhäuser

The Extrusioners

Making plastic the solution

Are you concerned about requirements for recyclability, biodegradability or high shares of recycled material? With our know-how and proven solutions for circular economy, we can help you to master the new challenges, to pick up speed and to use sustainability as an opportunity for your business now.
www.reifenhäuser.com



Teilkristallin und dennoch thermoformbar

Spezielle Polymere ermöglichen das Thermoformen von PAEK-Bauteilen

Hochleistungspolymere wie Polyaryletherketone (PAEK) sind aufgrund ihrer teilkristallinen Struktur für Anwendungen mit hoher Wanddicke in der Regel nicht thermoformbar. Speziell entwickelte Varianten ermöglichen nun die Verarbeitung in diesem Verfahren. Dadurch lassen sich große teilkristalline Bauteile mit großer Wanddicke fertigen, die über sehr gute mechanische und chemische Eigenschaften verfügen.

Semi-Crystalline, and yet Thermoformable

Special Polymers Enable Thermoforming of PEKK Parts

Ultra high performance polymers such as polyaryletherketones (PAEK) are typically not thermoformable for thick gauge applications because of their semi-crystalline nature. Specially developed PEKK grades now allow processing in this method. These can be used to produce large semi-crystalline PAEK parts with large wall thickness exhibiting extreme mechanical, chemical and flame retardant properties.

For more information, please check: <https://www.kunststoffe.de/11568322>

Kunststoffe 12/2020

Teilkristallin und dennoch thermoformbar

Spezielle Polymere ermöglichen das Thermoformen von PAEK-Bauteilen

[KU_2020_12_Teilkristallin und dennoch thermoformbar.pdf](#)

Service

Digital Version

- A PDF file of the article can be found at www.kunststoffe-international.com/2020-10

German Version

- Read the German version of the article in our magazine *Kunststoffe* or at www.kunststoffe.de

The Authors

Philippe Bussi is General Manager at Arkema, Paris, France;
philippe.bussi@arkema.com

Pierre Gonnetan is Business Development Manager for Europe at Arkema, Paris. He is the key contact for thermoforming projects & questions;
pierre.gonnetan@arkema.com

Dr. Eléonore Möller is Senior Account Manager at Arkema GmbH, Düsseldorf, Germany; eleonore.moeller@arkema.com

Bernd Opinkowski is Senior Account Manager at Arkema GmbH, Düsseldorf; bernd.opinkowski@arkema.com